

Name: _____

Per: _____

Dimensional Analysis & Measuring Lab 1: Simply Measure

Complete the following measurements using the tools provided at each lab station. Record your measurements for each station below as well as on the class data sheet in the front of the room. This lab is designed to introduce the concept of measurement within the science classroom.

Station 1

Measure the mass of the object using the spring scale: _____

Measure the volume of the object using the graduated cylinder: _____

Initial Volume: _____ Final Volume: _____

Station 2

Measure the volume of water using a graduated cylinder: _____

Measure and calculate the area of the lab table: Area: _____

Length: _____ Width: _____ Area = Length x Width

Station 3

Measure the mass of the object using the triple beam balance: _____

Measure the height of the physical science textbook: _____

Conclusion

Looking at the measurements, are the numerical values consistent throughout the different groups?

Should they be consistent (did the size of the book change or amount of water change from group to group)?

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What could be some reason that the measured values might not consistent?